

FIG. 1

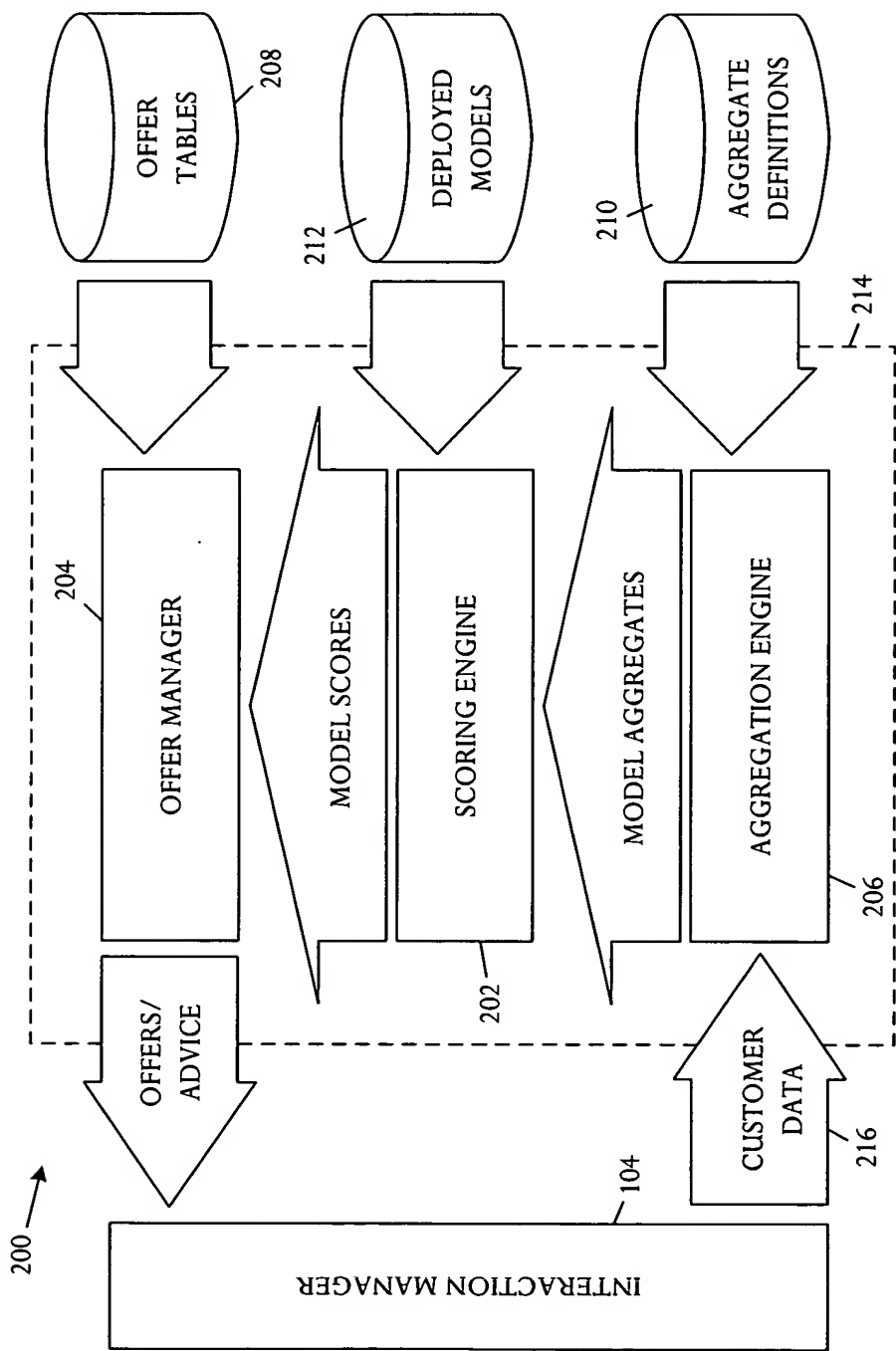


FIG. 2

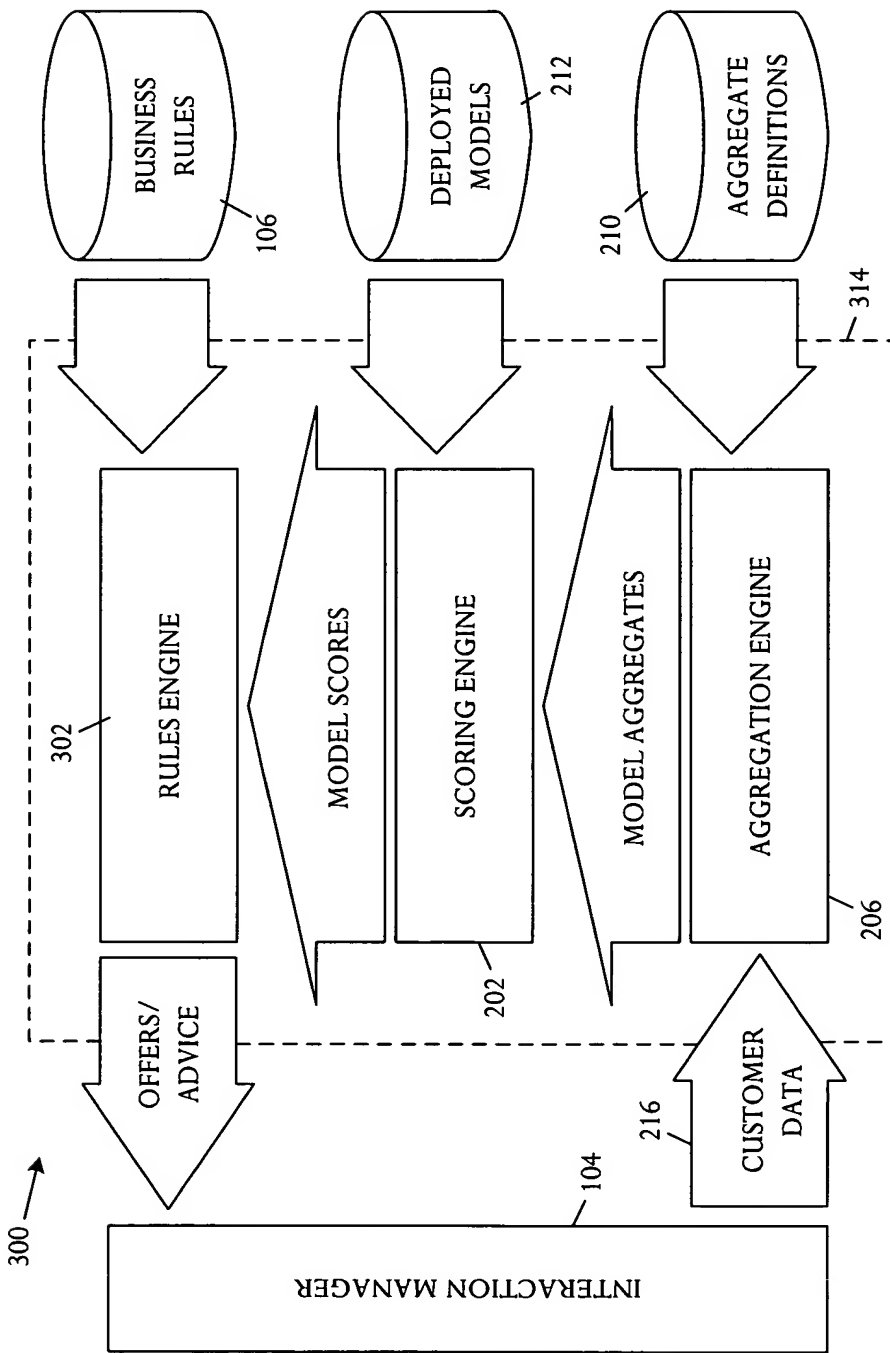


FIG. 3

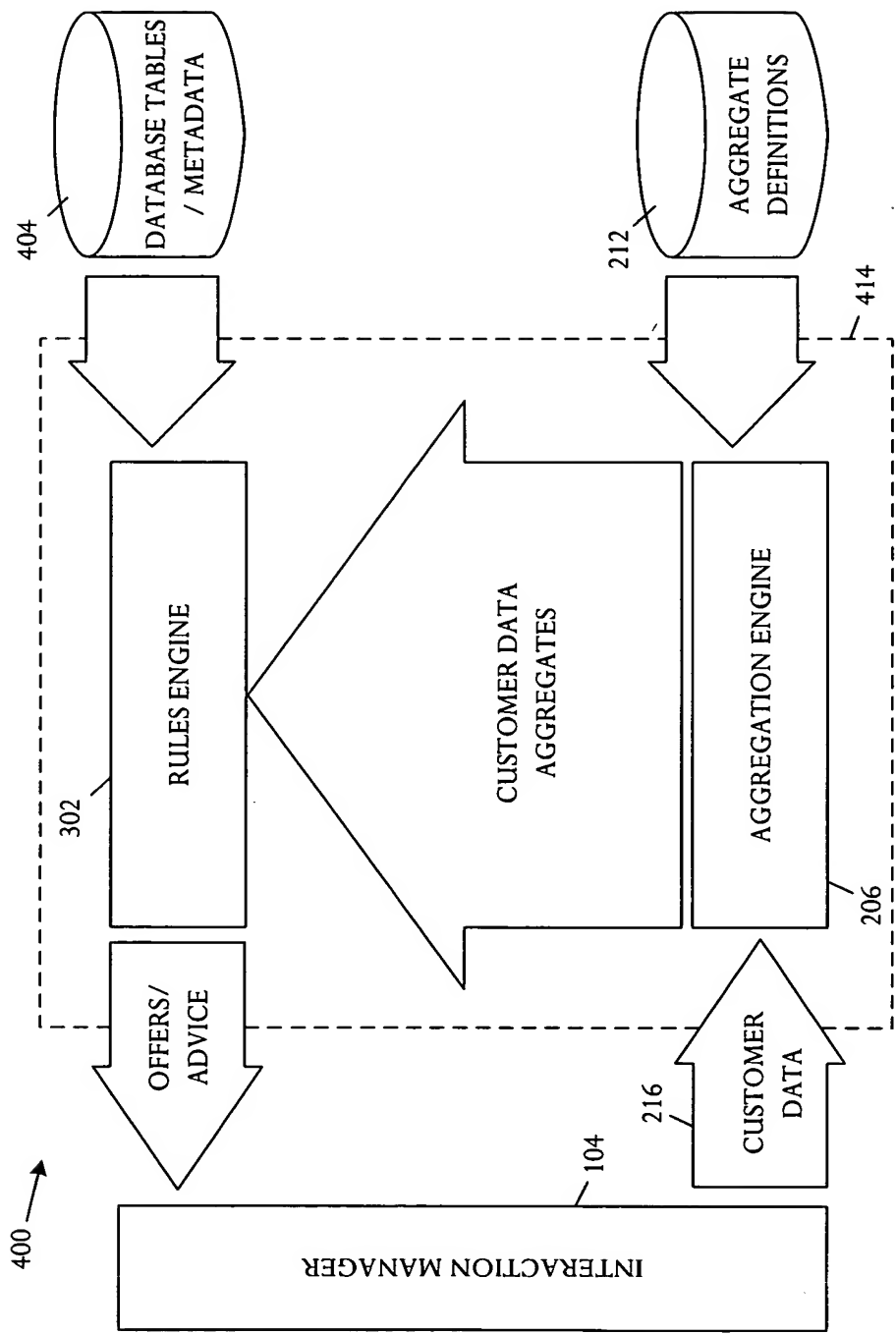
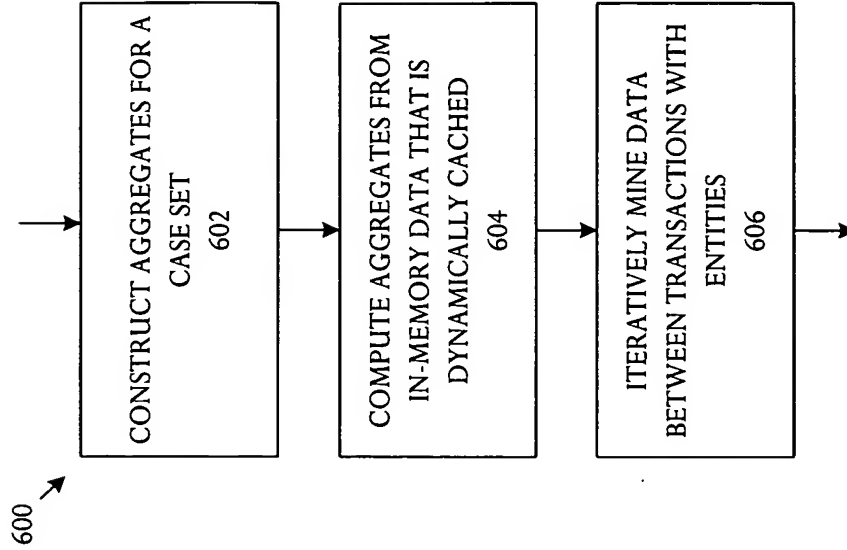
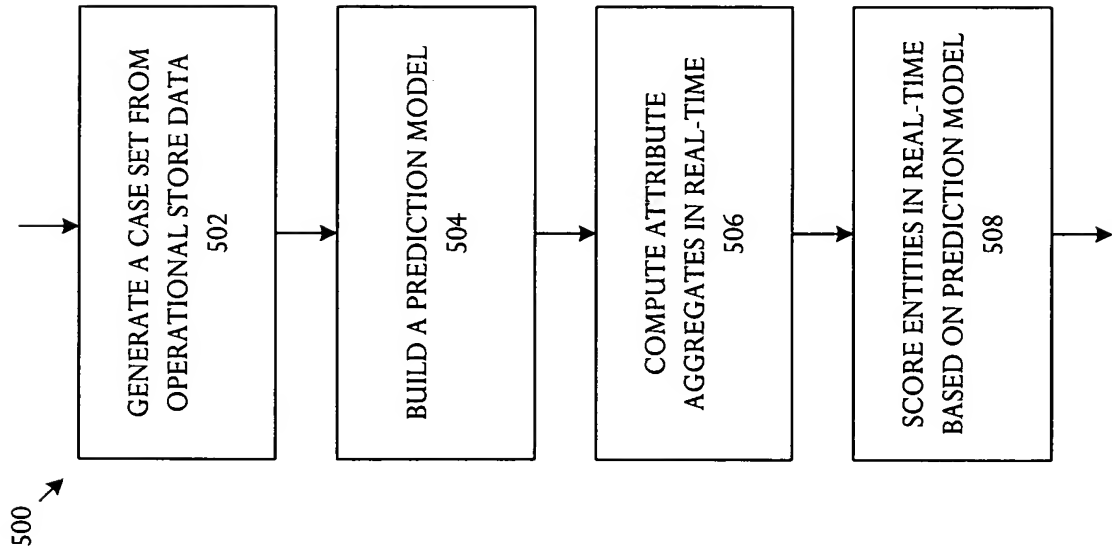
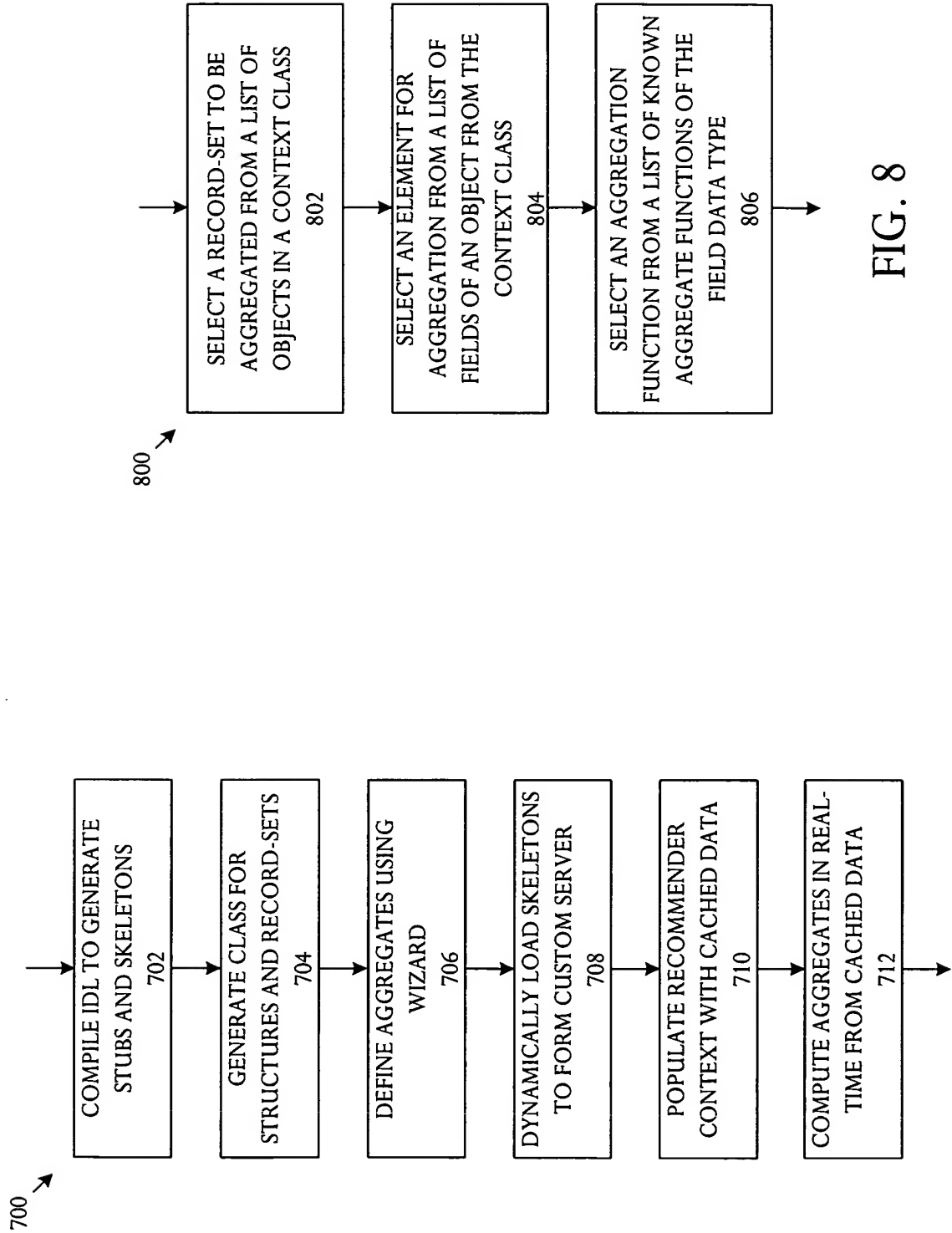


FIG. 4

5/17



6/17



Define aggregate storesRefunded		<input checked="" type="checkbox"/>
Select element		
refundStoreID		
Array refunds		
Elements of retail.Refund	Conversions for java.lang.String	
<div> <div>purchaseAmount</div> <div>purchaseDate</div> <div>purchaseStoreID</div> <div>refundAmount</div> <div>refundDate</div> <div>refundStoreID</div> </div>	date	
<div> <div>Cancel</div> <div>Previous</div> <div>Next</div> </div>		

FIG. 9B

Define aggregate storesRefunded		<input checked="" type="checkbox"/>
Select structure		
refunds		
Structures of retail.TotalCustomerView		
<div> <div>demographics</div> <div>nameAndAddress</div> <div>purchaseAggregates</div> <div>purchases</div> <div>refunds</div> <div>shoppingCart</div> </div>		
<div> <div>Cancel</div> <div>Next</div> </div>		

FIG. 9A

Define aggregate storesRefunded	<input checked="" type="checkbox"/>
Select condition	
Array refunds	
Element refundStoreID	
Function CountDistinct	
Elements of retail.Refund	
<none>	
purchaseAmount	
purchaseDate	
purchaseStoreID	
refundAmount	
refundDate	
refundStoreID	
Cancel	PreviousNext

FIG. 9D

Define aggregate storesRefunded	<input checked="" type="checkbox"/>
Select or type function	
CountDistinct	
Array refunds	
Element refundStoreID	
Aggregate functions on String	
Count	
CountDistinct	
Max	
Min	
Cancel	PreviousNext

FIG. 9C

Define aggregate storesRefunded		<input checked="" type="checkbox"/>
Select condition		
Array refunds		
Element refundStoreID	Function CountDistinct	<input checked="" type="checkbox"/>
Enter a value for refundAmount		
<input type="text" value="50.00"/>		
<input type="button" value="OK"/> <input type="button" value="Cancel"/>		
Elements of retail.Refund		
<none>		=
purchaseAmount		!=
purchaseDate		>
purchaseStoreID		>=
refundAmount		<
refundDate		<=
refundStoreID		
<input type="button" value="Cancel"/> <input type="button" value="Previous"/> <input type="button" value="Next"/>		

FIG. 9F

Define aggregate storesRefunded		<input checked="" type="checkbox"/>
Select condition		
refundAmount		
Array refunds		
Element refundStoreID	Function CountDistinct	
Elements of retail.Refund	Conversions & operators for java.lang.Number	
<none>		=
purchaseAmount		!=
purchaseDate		>
purchaseStoreID		>=
refundAmount		<
refundDate		<=
refundStoreID		
<input type="button" value="Cancel"/> <input type="button" value="Previous"/> <input type="button" value="Next"/>		

FIG. 9E

10/17

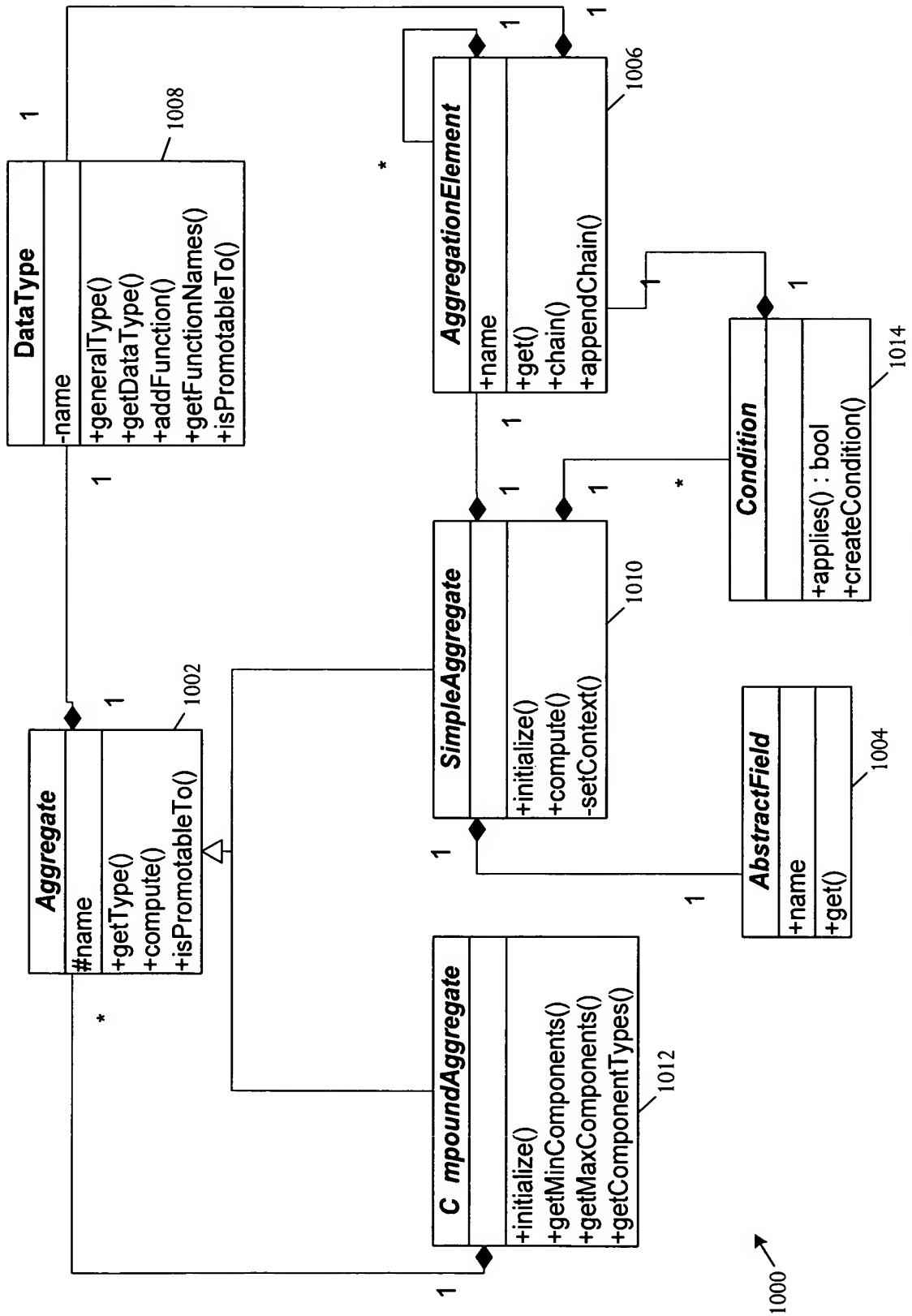


FIG. 10A

11/17

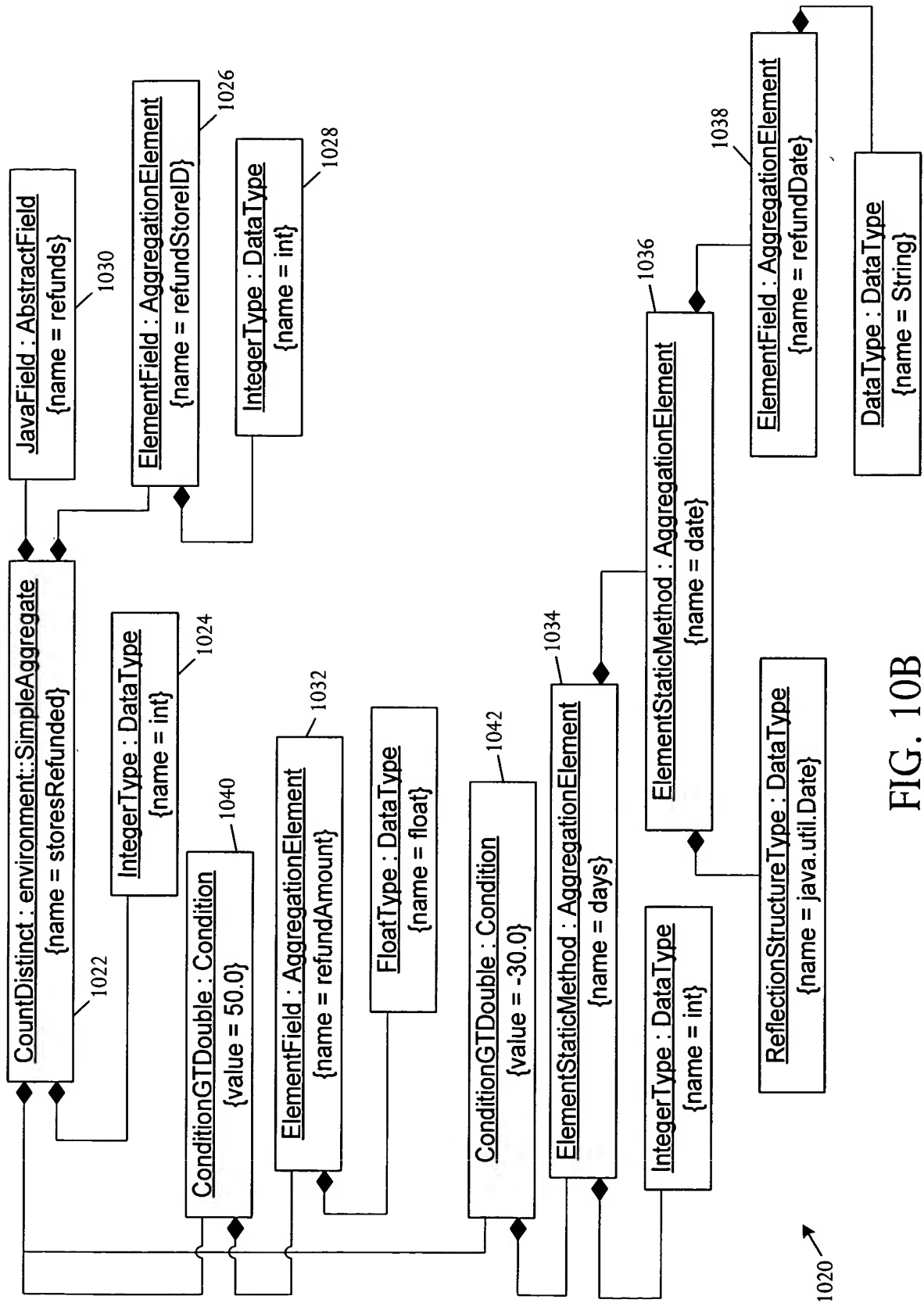


FIG. 10B

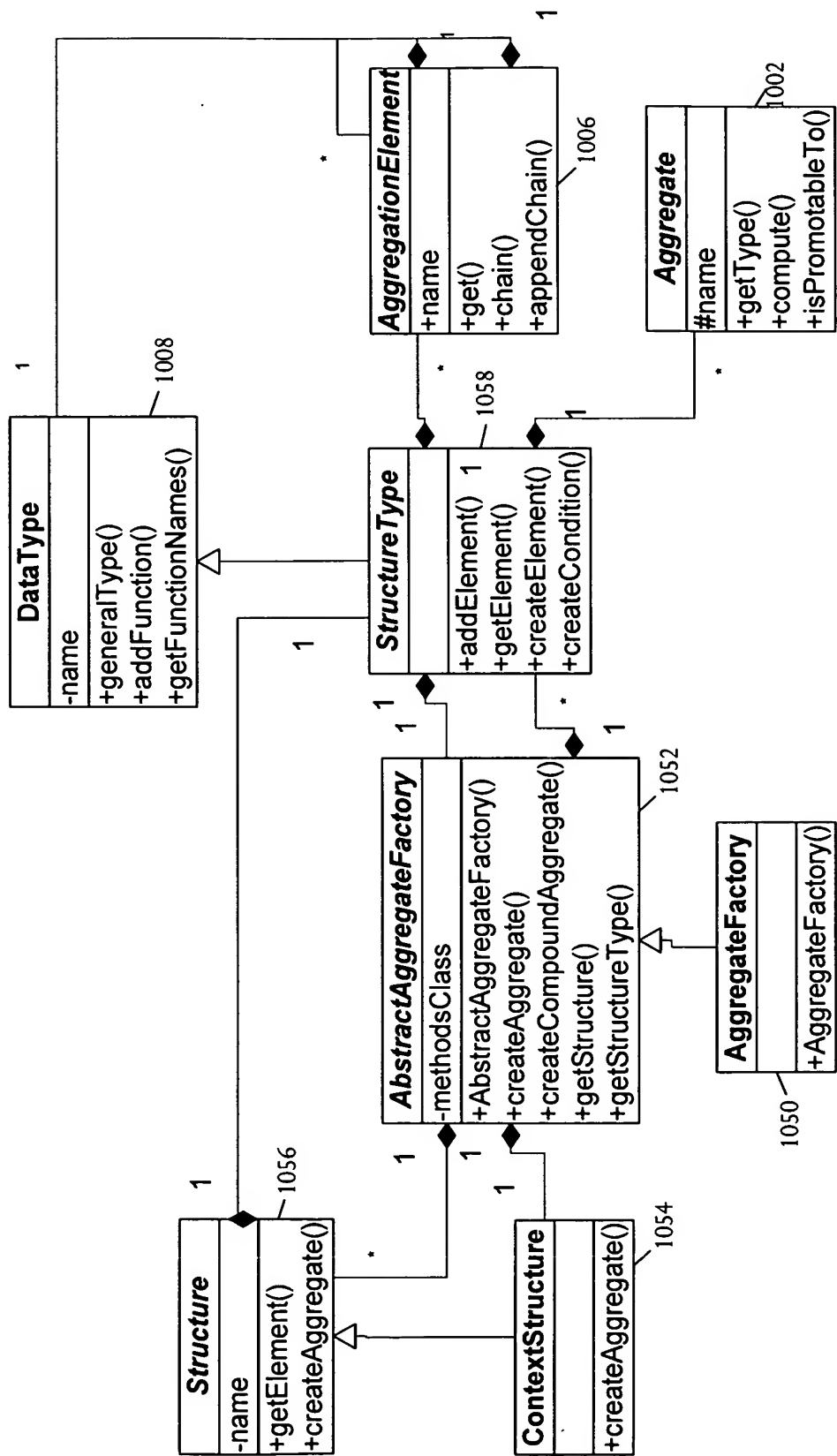


FIG. 10C

Title:

Real-Time Aggregation and Scoring in an
Information Handling System

First Named Inventor:

Carr, Steven R.

Docket No.:

200313119-1

13/17

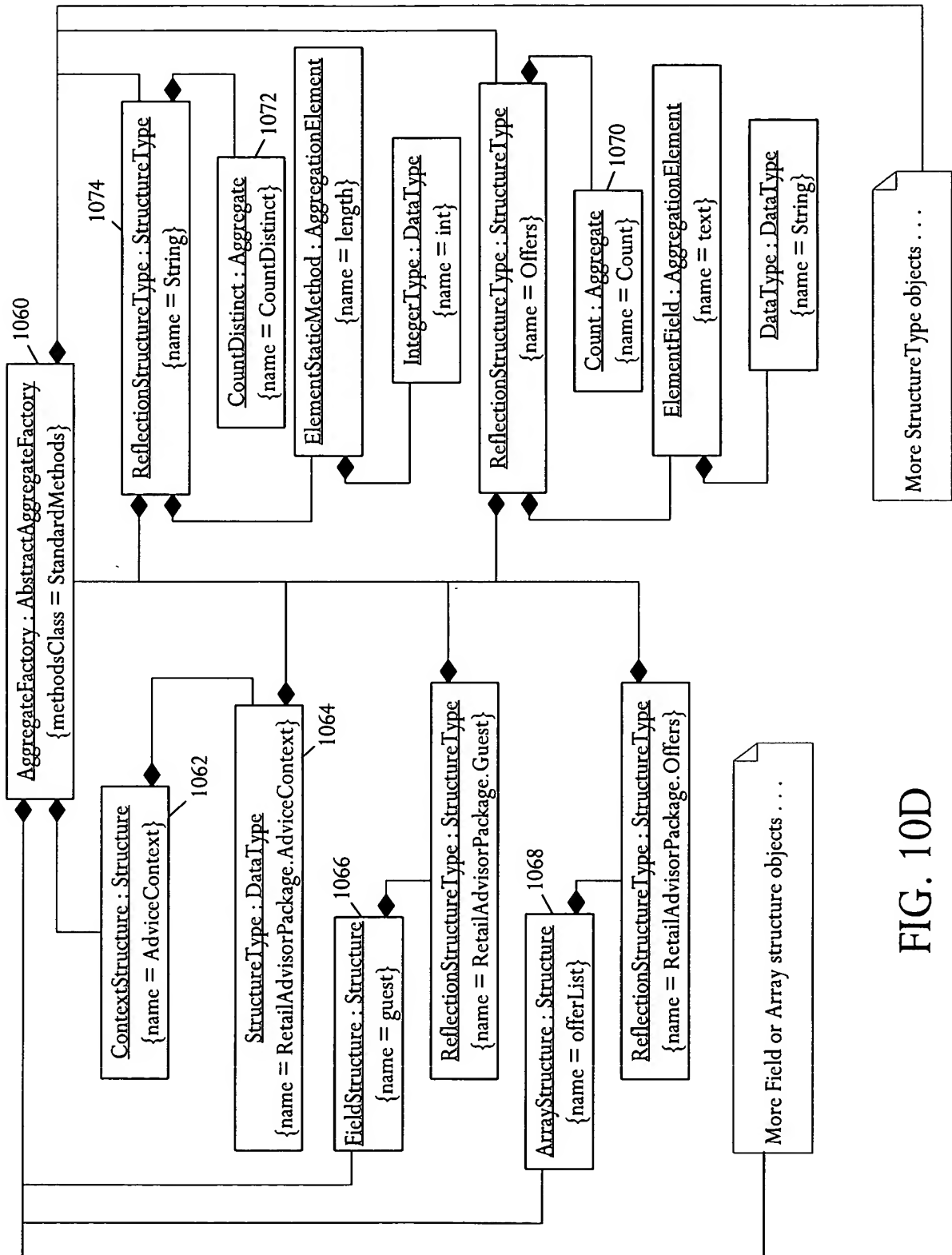


FIG. 10D

Define aggregate storesRefunded		<input checked="" type="checkbox"/>
Select condition		
refundDate.date		
Array refunds		
Element refundStoreID		
Function CountDistinct		
Condition refundAmount>50.0		
Elements of retail.Refund	Conversions & operators for java.util.Date	
<div><none> purchaseAmount purchaseDate purchaseStoreID refundAmount refundDate refundStoreID</div>	<div>day days hours isWeekend minutes month seconds</div>	<div><input checked="" type="checkbox"/></div>
<div>Cancel Previous Next</div>		<div><input checked="" type="checkbox"/></div>

FIG. 11B

Define aggregate storesRefunded		<input checked="" type="checkbox"/>
Select condition		
refundDate		
Array refunds		
Element refundStoreID		
Function CountDistinct		
Condition refundAmount>50.0		
Elements of retail.Refund	Conversions & operators for java.lang.String	
<div><none> purchaseAmount purchaseDate purchaseStoreID refundAmount refundDate refundStoreID</div>	<div>date = !=</div>	
<div>Cancel Previous Next</div>		

FIG. 11A

Define aggregate storesRefunded

☒

Select condition

refundDate.date.days

Array refunds

Element ref

User Input

☒

Enter value for refundDate.date.days

-30

Function C

Condition

Elements of retail.Refund

<none>

purchaseAmount

purchaseDate

purchaseStoreID

refundAmount

refundDate

refundStoreID

OK

Cancel

Cancel

Previous

Next

FIG. 11C

16/17

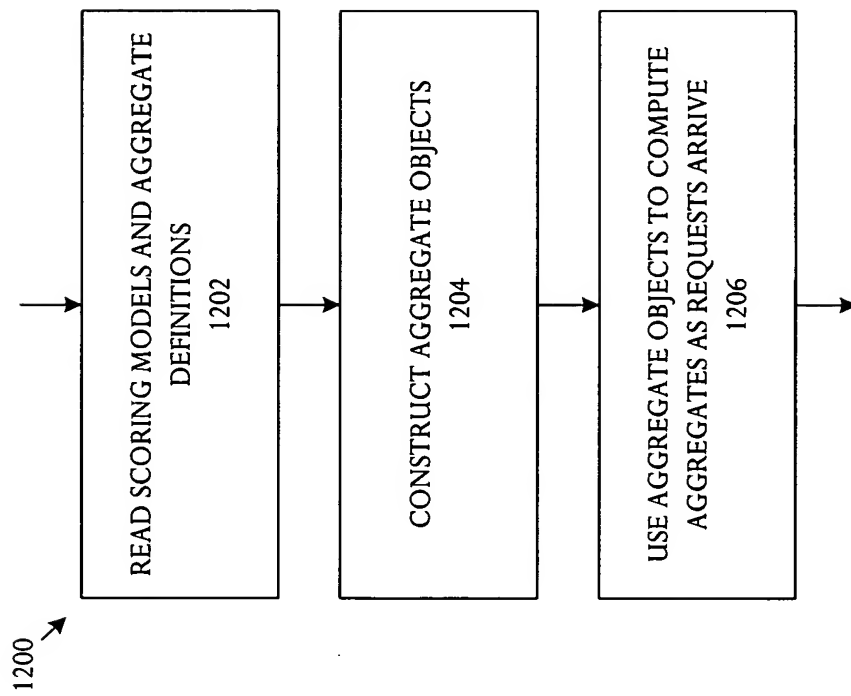


FIG. 12

Define aggregate purchaseItemsVariance		<input checked="" type="checkbox"/>
Select or type function		
Variance		
Array purchases Element numberOfItems		
Aggregate functions on int		
Count CountDistinct Max Mean Min Sum Variance		
<div>CancelPreviousNext</div>		

FIG. 13B

Define aggregate purchaseAmountVariance		<input checked="" type="checkbox"/>
Select or type function		
Variance		
Array purchases Element amount		
Aggregate functions on double		
Count CountDistinct Max Mean Min Sum		
<div>CancelPreviousNext</div>		

FIG. 13A